ELSEVIER

Molecular Basis of Disease

Vol. 1315, 1996

BBA Biochimica et Biophysica Acta

Cumulative Contents

Information for Contributors vii

Short sequence-papers

Molecular characterisation of the genomic locus of the mouse MRP8 gene
W. Nacken, M.P. Manitz and C. Sorg (Germany) 1

Cotranscription of two RNA coding for the cell adhesion regulator and its variant in Reh leukemia cells
A. Molla, L. Rouard-Talbot and M.R. Block (France) 6

Regular papers

Arginine to tryptophan substitution in the active site of a human lactate dehydrogenase variant – LDHB*GUA1: postulated effects on subunit structure and catalysis
G.C. Shonnard, N.V. Hud and H.W. Mohrenweiser (USA) 9

Diallyl disulfide inhibits the proliferation of human tumor cells in culture
S.G. Sundaram and J.A. Milner (USA) 15

Protection against oxidative injury and permeability alteration in cultured alveolar epithelium by transferrin-catalase conjugate
Y. Rojanasakul, X. Shi, D. Deshpande, W.W. Liang and L.Y. Wang (USA) 21

Identification and synthetic pathway of sialyl-Lewis^x-containing neolacto-series gangliosides in lens tissues. 2. Enzymatic synthesis of sialyl-Lewis^x gangliosides in monkey and rat lenses
M. Ogiso, M. Komoto and M. Hoshi (Japan) 29

Reduced carnitine palmitoyl transferase activity and altered acyl-trafficking in red blood cells from hemodialysis patients
B. De los Reyes, R. Perez-García, A. Liras and J. Arenas (Spain) 37

Conformations of synthetic β peptides in solid state and in aqueous solution: relation to toxicity in PC12 cells
R. Buchet, E. Tavitian, D. Ristig, R. Swoboda, U. Stauss, H.U. Gremlich, L. De La Fournière, M. Staufenbiel, P. Frey and D.A. Lowe (Switzerland, France) 40

Altered calcium homeostasis: a possible mechanism of aluminium-induced neurotoxicity
D. Julka and K.D. Gill (India) 47

Derangement in aerobic and anaerobic energy metabolism in skeletal muscle of critically ill and recovering rats
O.E. Rooyackers, A.P. Gijsen, W.H.M. Saris, P.B. Soeters and A.J.M. Wagenmakers (The Netherlands) 55

Alterations in erythrocyte membrane fluidity and fatty acid composition in glycogen storage disease
K. Keddad, P. Thérond, C. Motta, C. Baussan and A. Legrand (France) 61

Ageing is associated in females with a decline in the content and activity of the b-c_1 complex in skeletal muscle mitochondria
D. Boffoli, S.C. Scacco, R. Vergari, M.T. Persio, G. Solarino, R. Laforgia and S. Papa (Italy) 66

Rapid report

Modification of the extracellular matrix following myocardial infarction monitored by FTIR spectroscopy
K.-Z. Liu, M. Jackson, M.G. Sowa, H. Ju, I.M.C. Dixon and H.H. Mantsch (Canada) 73

Regular papers

Pyrene lipids as markers of peroxidative processes in different regions of low and high density lipoproteins
P. Viani, R. Cazzola, G. Cervato, P. Gatti and B. Cestaro (Italy) 78

Failure to withstand oxidative stress induced by phospholipid hydroperoxides as a possible cause of the lens opacities in systemic diseases and ageing
M.A. Babizhayev (Russia) 87

Increased p53 mRNA expression in liver and kidney apoptosis
M.C. Cummings (Australia) 100

Specific inhibition of basic calcium phosphate and calcium pyrophosphate crystal-induction of metalloproteinase synthesis by phosphocitrate
H.S. Cheung, J.D. Sallis and J.A. Struve (USA, Australia) 105

Effect of artificial (CTG) repeat expansion on the expression of myotonin protein kinase (MtPK) in COS-1 cells
N. Sasagawa, N. Saitoh, M. Shimokawa, H. Sorimachi, K. Maruyama, K. Arahata, S. Ishiura and K. Suzuki (Japan) 112

TGF-β isoforms fail to modulate inositol phosphates and cAMP in normal and tumour-derived human oral keratinocytes
A.J. Collier, K.A. Elsegood, W.A. Yeudall, I.C. Paterson, S.S. Prime and J.R. Sandy (UK, USA) 117

Variations of hepatic antioxidant systems and DNA ploidy in rats aged 2 to 8 months
N. Sanz, C. Díez-Fernández and M. Cascales (Spain) 123

Scavenging effect of Chinonin on NO and oxygen free radicals and its protective effect on the myocardium from the injury of ischemia-reperfusion
B.-L. Zhao, J.-G. Shen, M. Li, M.-f. Li, Q. Wan and W.-J. Xin (China) 131

Volume-sensitive chloride channels in the primary culture cells of human cervical carcinoma
M.-R. Shen, S.-N. Wu and C.-Y. Chou (Taiwan) 138

Changes in arachidonic acid metabolism and the aggregation of polymorphonuclear leukocytes in rats with streptozotocin-induced diabetes
Y. Nakagawa and E. Ishii (Japan) 145

Non-rhizomelic and rhizomelic chondrodysplasia punctata within a single complementation group
A.M. Motley, H.F. Tabak, J.A.M. Smeitink, B.T. Poll-The, P.G. Barth and R.J.A. Wanders (The Netherlands) 153

Evidence for McKusick's hypothesis of deficient collagen cross-linking in patients with homocystinuria
B. Lubec, S. Fang-Kircher, T. Lubec, H.J. Blom and G.H.J. Boers (Austria, The Netherlands) 159

Five isoenzymes of protein kinase C are expressed in normal and STZ-diabetic rat hepatocytes: effect of phorbol 12-myristate 13-acetate
F. Croquet, A. Bréhier, S. Gil, J. Davy and J. Féger (France) 163

Isolation of up- and down-regulated cDNAs associated with hepatocellular carcinoma by a subtraction-enhanced display technique
C.-G. Wu, T.B.M. Hakvoort, W.H. Lamers and R.A.F.M. Chamuleau (The Netherlands) 169

Glycation-induced inactivation of malate dehydrogenase protection by aspirin and a lens molecular chaperone, α-crystallin
M.M. Heath, K.C. Rixon and J.J. Harding (UK) 176

Human eosinophils lack human leukocyte elastase
O. Wiedow, K. Muhle, V. Streit and Y. Kameyoshi (Germany) 185

The α/β- and $\alpha 2/\alpha 1$-globin mRNA ratios in different forms of α-thalassemia
N.S. Smetanina, J.Y. Leonova, N. Levy and T.H.J. Huisman (USA) 188

Increase of lipid peroxidation in rat liver microsomes by dehydroepiandrosterone feeding
J. Swierczynski, P. Bannasch and D. Mayer (Germany) 193

Subunit specific monoclonal antibodies show different steady-state levels of various cytochrome-*c* oxidase subunits in chronic progressive external ophthalmoplegia
J.-W. Taanman, M.D. Burton, M.F. Marusich, N.G. Kennaway and R.A. Capaldi (USA) 199

Abnormalities in hepatic fatty-acid metabolism in a surfactant/influenza B virus mouse model for acute encephalopathy
M.G. Murphy, J.F.S. Crocker and H. Her (Canada) 208

Effects of HMG-CoA reductase inhibitors on growth and differentiation of cultured rat skeletal muscle cells
J.H. Veerkamp, J.W.A. Smit, A.A.G.M. Benders and A. Oosterhof (The Netherlands) 217

Cumulative Contents, Vol. 1315 223

Author Index 225